

ACANTHACEAE
EMETICS.

SKRIPSI

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**STUDI EMETIK FRAKSI ETANOL 60%
DAUN *Gendarussa vulgaris* Nees
PADA MERPATI (*Columba livia*)**



**FAKULTAS FARMASI
UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
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Lembar Pengesahan

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SKRIPSI

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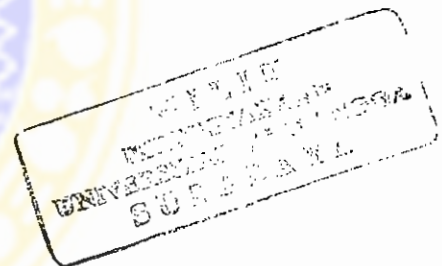
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Oleh :

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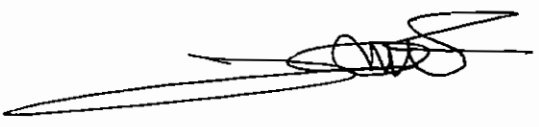

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ABSTRACT

The aim of this research is to find out the emetic effect of the 60% ethanol fraction of *Gendarussa vulgaris* Nees leaves when given orally to the pigeon. One of the chemical contents of *Gendarussa vulgaris* Nees leaves is 0,1% alkaloid which is assumed as having emetic effect.

This study was conducted on 7 groups of male pigeons (3 pigeons in each group). The 60% ethanol fraction of *Gendarussa vulgaris* Nees leaves was given orally in five different doses (0,662 g/kgbw, 1,324 g/kgbw, 2,649 g/kgbw, 5,298 g/kgbw, 10,596 g/kgbw). 0,5% solution of CMC-Na was used as negative control and a 1% solution of CuSO₄ was administered as positive control.

Result showed that the lowest dose of this fraction which caused emetic is 2,649 g/kgbw at 70,67 minute after administration. Stronger emetic effect and shorter onset of action were observed upon the administration of higher doses.

Keyword: 60% ethanol fraction of *Gendarussa vulgaris* Nees leaves, pigeon, emetic effect.

